iStream HD Wireless Range Extender

300 Mbps, 802.11b/g/n, 2T2R MIMO Wireless Repeater and Signal Booster

Part No.: 525657

Supercharge your home Wi-Fi.
Boost the range of your home wireless network with the iStream HD from Intellinet Network Solutions. Designed specifically with today's most popular smartphones, tablets, ultramobile PCs and portable gaming systems in mind, the iStream HD extends your existing wireless network to eliminate dead spots and keep you connected throughout your entire home.

Easy to Install
The iStream is easy to install — simply plug it into any electrical outlet, press the WPS button on the iStream HD and then press the WPS button on the back of your router*.

Perfect for Streaming, Gaming and More
The iStream HD allows you to enjoy lag-free online streaming music, video and gaming on your smartphone, tablet or portable computer, as well as Wi-Fi enabled Smart TVs, gaming systems and Blu-ray players. 300 Mbps Wireless N technology lets you enjoy streaming video in full HD (1080p with 5.1 stereo surround)**. Plus, built-in Wi-Fi Multimedia (WMM) regulates bandwidth and signal strength for optimum performance.

Reduce Mobile Data Use
Connecting to your home wireless network on your smartphone or tablet is a great way to reduce 3G/4G mobile data consumption. The iStream HD maximizes your home network to eliminate dead spots and improve overall signal fidelity, so you can keep your mobile data for when you need it most.

Security is Key
The iStream HD works with your current home router's security encryption (WEP, WPA and WPA2) to help keep your network safe from prying eyes and Wi-Fi thieves***.

For more information on Intellinet products, consult your local dealer or visit www.intelllinet-network.com.
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* Router must support WPS to use this feature. If your router does not support WPS, the iStream HD has a step-by-step, browser-based interface for configuring WEP, WPA or WPA2 security. See the user manual for details.

** Actual data throughput will vary based on network equipment and environmental factors. Specific factors — including Internet connection speed, volume of network traffic, weather conditions and electromagnetic interference — may affect HD streaming performance.

*** Always set a secure password on your home network. Intellinet Network Solutions recommends changing the default name and password on your home router.

Features:

- Boost your WiFi signal and eliminate dead spots
- Easy installation - no drivers or software needed
- Perfect for use with smartphones, tablets or any portable WiFi device
- Works with your existing home wireless network
- Lightning-fast Wireless N connection for lag-free gaming and HD-quality streaming media
- Reduce your 3G/4G smartphone data use while at home
- Advanced 2T2R MIMO technology with two internal antennas for enhanced throughput and coverage
- Up to 300 Mbps network link speed
- Push-button Wi-Fi Protected Setup (WPS) simplifies secure wireless network connectivity
- Supports WMM (IEEE 802.11e QoS standard) prioritizing bandwidth for multimedia applications
- Supports WEP (64/128 bit), WPA and WPA2 data encryption
- Three-Year Warranty

Specifications:

Standards
• IEEE 802.11b (11 Mbps Wireless LAN)
• IEEE 802.11g (54 Mbps Wireless LAN)
• IEEE 802.11e (QoS Enhancement WMM)
• IEEE 802.11n (300 Mbps Wireless LAN)

General
• LAN port: RJ45 10/100 Mbps data port
• LAN port with Auto MDI/MDI-X
• Flash: 2 MB
• Memory: 16 MB SDRAM
• Certifications: FCC Class B, CE, RoHS

Wireless

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• Chipset: Realtek RTL8192CE
• Wireless frequency range: 2.400 – 2.483 GHz
• Modulation technologies:
- 802.11b: Direct Sequence Spread Spectrum (DSSS): DBPSK, DQPSK, CCK
- 802.11g: Orthogonal Frequency Division Multiplexing (OFDM): BPSK, QPSK, 16QAM, 64QAM
- 802.11n: Orthogonal Frequency Division Multiplexing (OFDM): BPSK, QPSK, 16QAM, 64QAM
• Data rates:
- IEEE 802.11b (11 Mbps, 5.5 Mbps, 2 Mbps, 1 Mbps)
- IEEE 802.11g (54 Mbps, 48 Mbps, 36 Mbps, 24 Mbps, 18 Mbps, 12 Mbps, 9 Mbps, 6 Mbps)
- IEEE 802.11n (MCS0-15: up to 300 Mbps)
• Output power:
- OFDM: 13 dBm +/- 1.5 dBm (300 Mbps, 20 mW max.)
- OFDM: 14 dBm +/- 1.5 dBm (54 Mbps, 25 mW max.)
- CCK: 17 dBm +/- 1 dBm (11 Mbps, 63 mW max.)
• Receiver sensitivity:
- 11n (300 Mbps) MCS0-15: 20 MHz: -67 dBm; 40MHz: -63 dB (+/- 2 dBm)
- 11g (54 Mbps) OFDM: -70 dBm (+/- 2 dBm)
- 11b (11 Mbps) CCK: -85 dBm (+/- 2 dBm)
• Wireless security:
- WEP encryption (64/128 bit)
- WPA TKIP
- WPA2 AES
- WPA2 mixed
• Antennas:
- 2 internal printed antennas with 3 dBi gain each
- 2T2R MIMO mode (2 transmitters, 2 receivers)

LEDs
• Signal
• WLAN
• Power
• WPS
• LAN

Power
• Internal power adapter: 5 VDC, 1.0 A
• Power consumption: 4 watts max.

Environmental
• Dimensions: 46.5 (W) x 73 (H) x 41 (D) mm (1.8 x 2.9 x 1.6 in.)
• Weight: 0.45 kg (1.0 lb.)
• Operating temperature: 0 – 40°C (32 – 104°F)
• Operating humidity: 10 – 90% RH, non-condensing
• Storage temperature: -20 – 60°C (4 – 149°F)

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Package Contents

- iStream HD Wireless Range Extender
- Quick install guide
- User manual
- Ethernet Cat5 RJ45 cable: 1.0 m (3 ft.)

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